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United States Department of Agriculture BUREAU OF PLANT INDUSTRY,

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RED CLOVER (Trifolium pratense).

This well-known legaminous forage plant needs no description. It is a native of the Old World, but is now extensively cultivated in all temperate climates. It rarely lasts more than two years, although strains have been developed which last considerably longer. Frequently stands may be kept up by allowing the clover to reseed itself. Red clover is grown throughout the northeastern quarter of the United States as far west as eastern Kanasa, in the northern Rocky Mountain region, and the upper Pacific coast region.

It is excellent for pasture, hay, and solling. As a soil improver in general farming, red clover is probably without a rival. In rotations it can be made to precede or large in leaves nearly two-thirds as much residue in the soil in the form of vegetable matter. This not only adds available plant food but also improves the texture and mechanical conditions of the soil.

Varieties.—There are two varieties on the market, ordinary or medium red and mammont red clover. The latter is sometimes known as Sapling, Giant, Pea Vine, Soiling, and Perennial red clover. Mammoth clover is larger and coarser and matures from two to three weeks later than the ordinary clover. For this reason it is often preferred for seeding with timothy. It matures but one crop a year. It appearance the seeds of these two varieties are identical, so that one is never sure of the kind planted until it has made full growth.

Soils. Those best snited to its growth are deep well-drained clay loams and limestone soils, but in sections of frequent freezing and thawing in early spring, where this type is not well drained, the clover is laible to be heaved out. Moist sandy soils well supplied with humas also produce good crops of red clover, but it will not succeed well on dry sandy or pronse gravely soils. Unlike alsike clover it will not grow on soggy or wet peaty soils.

Souring.—Red clover is usually sown in the early spring, though in western Orgon and Washington and in southern localities it may be sown in the fall.

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NICKOLAS SCHMITZ, Expert.

